

## INFERTILITY PANELS

Rodinia is available as a Female or a Male Infertility Panel. Each infertility panel detects numerous genetic variants associated with **infertility**, as well as whole, partial and mosaic sex chromosome changes. Rodinia also offers a Thrombophilia and NAIT Panel that checks for specific genetic variants associated with **recurrent pregnancy loss**, or genetic variants that increase the risk for Neonatal Alloimmune Thrombocytopenia (NAIT), among others.

### FEMALE INFERTILITY PANEL

Testing of **55 genes** and whole, partial and mosaic sex chromosome aneuploidies.

*Disorders tested include primary ovarian insufficiency, ovarian hyperstimulation syndrome and hypogonadotropic hypogonadism such as Kallmann syndrome.*

AIRE	EIF2B3	GALT	IRS2	PROKR2
ANOS1	FEZF1	GDF9	KISS1	PSMC3IP
BMP15	FGF17	GNAS	KISS1R	SEMA3A
CAPN10	FGF8	GNRH1	LHB	SPRY4
CHD7	FGFR1	GNRHR	LHCGR	STAG3
CYP11A1	FIGLA	HESX1	NOBOX	TAC3
CYP17A1	FLRT3	HS6ST1	NR5A1	TACR3
CYP19A1	FMR1	IL17RD	NSMF	THADA
DENND1A	FOXL2	INS	POF1B	WDR11
DUSP6	FSHB	INSR	POLG	WT1
EIF2B2	FSHR	IRS1	PROK2	ZP1

### MALE INFERTILITY PANEL

Testing of **40 genes** and whole, partial and mosaic sex chromosome aneuploidies, including Y chromosome microdeletions.

*Disorders tested include hypogonadotropic hypogonadism such as Kallmann syndrome.*

ANOS1	DUSP6	FSHR	LHB	SPRY4
AR	FEZF1	GNRH1	LHCGR	SRD5A1
AURKC	FGF17	GNRHR	NR5A1	SRY
CATSPER1	FGF8	HESX1	NSMF	TAC3
CFTR	FGFR1	HS6ST1	PRM1	TACR3
CHD7	FLRT3	IL17RD	PROK2	USP26
DAZL	FMR1	KISS1	PROKR2	USP9Y
DDX25	FSHB	KISS1R	SEMA3A	WDR11

### THROMBOPHILIA AND NAIT PANEL

Tests for 22 genetic variants in 17 genes. Can be selected as an **Add-on Panel** to the Female or Male Panel, or as a **Stand-alone Panel**.

ACE	APOE	GP1BA	ITGB3	SERPINE1
AGT	F13A1	GSTP1	MTHFR	
AGTR1	F2	ITGA2	MTR	
APOB	F5	ITGA2B	MTRR	